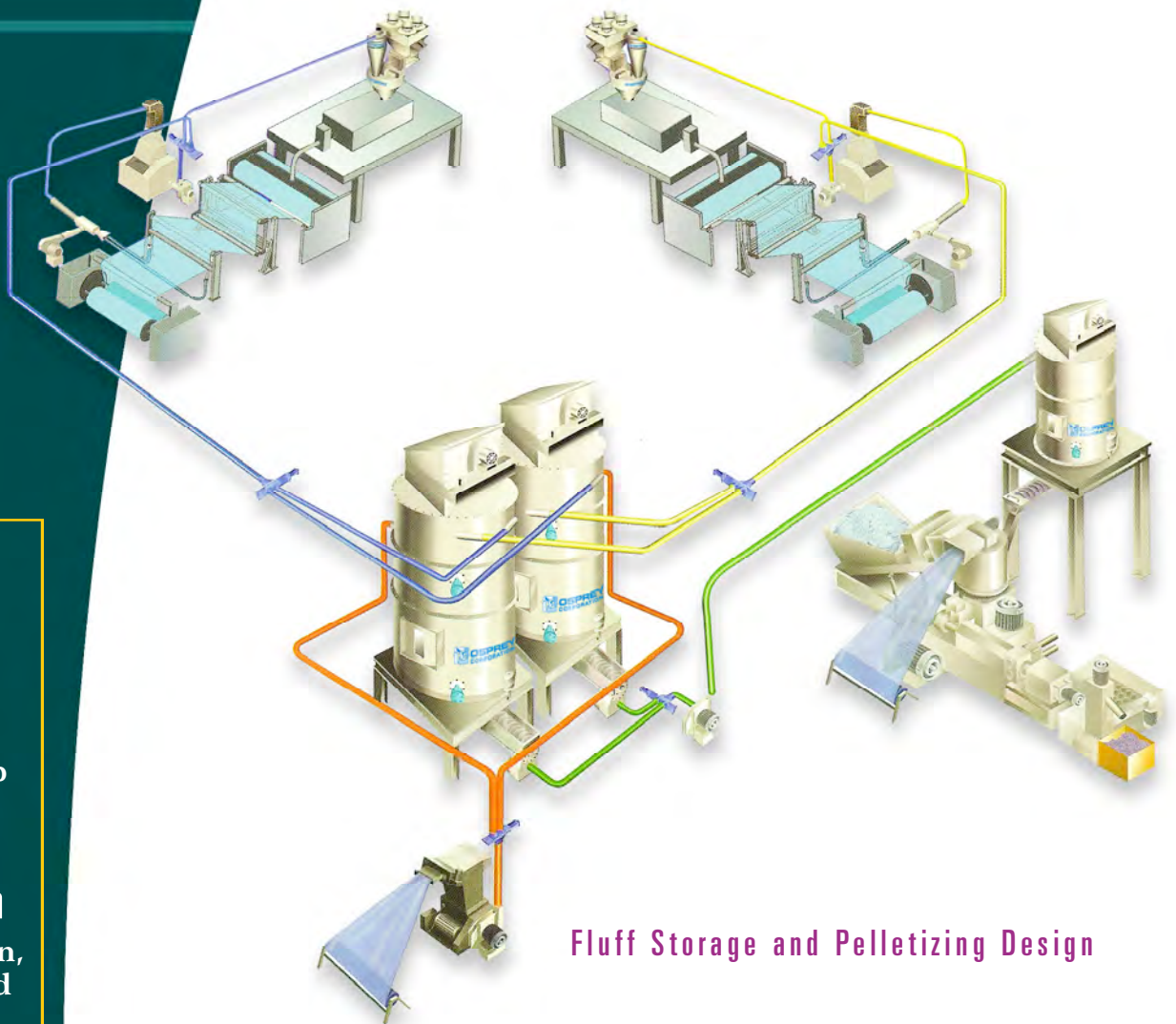




## Off-Line Scrap Reclamation System



### Purpose

Recycles scrap produced from multiple lines, including trim, rolls, loose scrap and off-spec start-ups.

### Application

Film, non-woven, sheet, foam, and production.

Fluff Storage and Pelletizing Design

# Off-Line Scrap Reclamation System

The Off-line Scrap Reclamation System collects trim for recycling from one or more production lines, as well as other sources such as slitting operations at other winders. In addition, off-spec material from slitter rolls, mill rolls, as well as start-up and other loose scrap is collected and recycled.

Either an Inductor or Cutter Blower system picks up the edge trim from the production line or slitters and pneumatically conveys it into Granulators where it is size-reduced into fluff form. Rolled material is pulled off a roll stand by a Roll Feeder and can feed into the same Granulators at a consistent rate. In addition to edge trim and rolls, loose scrap can also be hand fed into the Granulators.

Fluff from the Granulators is pneumatically conveyed to a Vertical Storage Hopper. High Pressure, conveying Blowers convey the fluff over the long distances required to separate production lines from waste storage facilities. Pneumatically operated, high pressure Diverters automatically divert the fluff from one or more Granulators to one or more VSH Fluff Storage Hoppers. This allows the material to be collected and stored by variations in bulk density or color.

Material loads into the VSH Hopper through a low profile Air Separator Section which separates the

material from the conveying air stream. A pulse jet type, self-cleaning Dust Collector is mounted to the top plate of the air separator. The Dust Collector is equipped with a balancing air blower that equalizes the pressure in the hopper created by the conveying air. The VSH Hopper can be designed for a wide range of storage capacities. It has a Vertical Auger assembly and a fully swept, flat bottom to prevent material from bridging.

Fluff is swept into a variable speed Discharge Screw Conveyor where it is either gravity or pneumatically conveyed into the feed section of a Pelletizing or Densification System.

## Features:

- Collects scrap from multiple sources.
- Large storage capacity for granulated material.
- Designed for high throughput rates and long conveying distances.

## Options:

- Diverter valves for multiple Fluff Storage Hoppers.
- Pelletizing Extruders.
- Reclaim pellet conveying and storage.

